

ABSTRACT OF THE DISCLOSURE

A class-A amplifier circuit having output voltage varied according to input voltage includes a class-A amplifier, a voltage pull-up switch level circuit, an output voltage of the class-A amplifier, a voltage pull-up switch circuit, a voltage pull-down switch level circuit, a voltage pull-down circuit, a voltage pull-down switch circuit, and a bias circuit. The circuit utilizes the voltage pull-up and the voltage pull-down circuits to enable an output voltage of the class-A amplifier to rapidly and precisely change as an input voltage changes. Moreover, the circuit utilizes the voltage pull-up and the voltage pull-down switch circuits to prevent an overshooting from occurring.